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PHOTOGRAPHIC INTERPRETATION REPORT

SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR CHANGES AND ADDITIONS AS OF

25X1D

NPIC/R-923/64 November 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declass Review by NIMA/DOD

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TABLE OF CONTENTS

	Page
Introduction	1
Launch Complex A	1
Launch Complex B	5
Main Housing Complex	7
Site 13	7
HEN ROOST Antennas	15
Dirt Strip	
SAM Training Center	
Unidentified Facility	
Instrumentation Sites	
Instrumentation Site 1	
Instrumentation Site 2	
Instrumentation Site 3	
Instrumentation Site 4	
Instrumentation Site 5	
Instrumentation Site 6	
Instrumentation Site 7	
Instrumentation Site 8	
Instrumentation Site 9	
Instrumentation Site 10	
Instrumentation Site 11	
Instrumentation Site 12	
Possible Instrumentation Site 14	
Possible Instrumentation Site 15	
Poformona	4 7

- **i**i -

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NPIC/R-923/04

Page

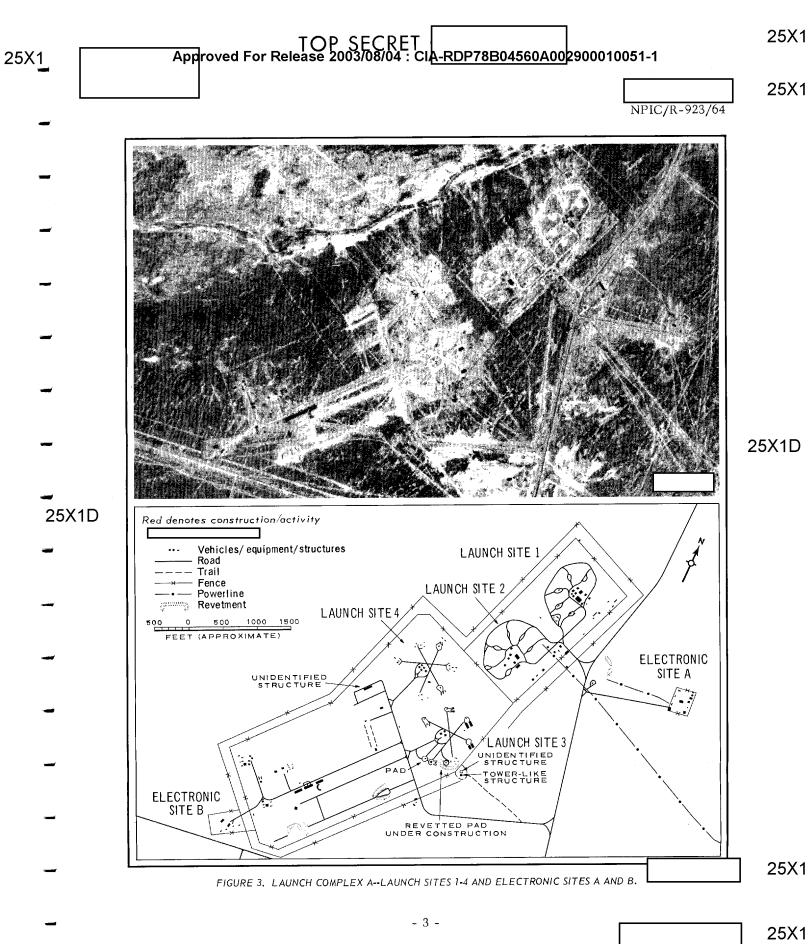
LIST OF ILLUSTRATIONS

Figure 1.	Antimissile Test Center, Sary-Shagan, USSRFacing 1
Figure 2.	Launch Complex A \dots 1
Figure 3.	Launch Complex ALaunch Sites 1-4 and Electronic Sites A and B
Figure 4.	Launch Complex ALaunch Sites 5 and 6 and Electronic Site C
Figure 5.	Launch Complex B 5
Figure 6.	Launch Area and Building Triad at Launch Complex B 6
Figure 7.	Development of HEN HOUSE-Type Structures at Site 13, SSATC 9
Figure 8.	Site 13, SSATC 10
Figure 9.	Layout of Site 13, SSATC,
Figure 10.	Locations of HEN HOUSE-Type Structures, USSR,
Figure 11.	HEN ROOST Antennas
Figure 12.	Dirt Strip
Figure 13.	Unidentified Facility Between Sites 14 and 15 19
Figure 14.	Instrumentation Site 1
Figure 15.	Instrumentation Site 2
Figure 16.	Instrumentation Sites 3, 4, 5, and 6 24
Figure 17.	Instrumentation Sites 7, 8, 9, and 10 26
Figure 18.	Instrumentation Sites 11, 12, and Possible Instrumentation Sites 14 and 15

- iii -

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		NPIC/R-923/64
-	INTRODUCTION	Several of the small structures in the airstrip
	This report is written in response to CIA	support area have changed position since clear
_	requirements C-SI4-81,506 and C-RR4-81,536 with Supplement 1. It supplements previous re-	photography of Missile Storage and Checkout Area and Electronic Site D 2
_	ports on the Sary-Shagan Antimissile Test	Facilities remain unchanged since
5X1D	Center (SSATC) and contains information on facilities at which new developments have oc-	at these areas, both of which are active.
	curred from	Approximately 22 vehicles were parked in the Missile Storage and Checkout Area and several
	During this period all facilities at the Test	probable vehicles were visible in Electronic
	Center (Figure 1) were covered by generally good to very good quality, clear stereoscopic	Site D.
- EV1D	photography except Possible Instrumentation	Launch Sites 1 and 2 and Electronic Site A (Figure 3)
5X1D	Site 15. The report can be divided into two parts:	Launch Site 1. Launch positions are more
_	the first containing a description of changes observed at all facilities except instrumentation	clearly defined at Site 1 than at Site 2. Only
	sites, as well as a detailed description of Site	three of the launch positions at Site 1 are occupied. The single hardstand is occupied and
	13 from per re-	appears to be partially enclosed by a low re-
	quirement; the second containing a summary description of all instrumentation sites with	vetment. Four vehicles or very small structures
-	recent changes noted and with an annotated	N
	photograph of each. A detailed description of the	ELECTRONIC SITE C
	HEN HOUSE antenna will be included in a report being prepared under NPIC project N-579/64.	DELECTRONIC SITE D
		LAUNCH SITE 6
	LAUNCH COMPLEX A (46-25-00N 72-52-20E)	LAUNCH
25X1D	Headquarters and Administration Area	MISSILE STORAGE AND CHECKOUT
23/10	No significant change was noted from	AREA ELECTRONIC
	in the Headquarters and Administration Area of Launch Complex	ELECTRONIC SITE B
5X1D	A (Figure 2). Onapproximately 15	
	vehicles were parked just north and north-	HEADQUARTERS AND ADMINISTRATION AREA SAM SITE C35-2
X1D	northwest of the microwave tower in the same location where vehicles were observed in	SAM SITE COST
_	During this period both SAM Site	
5X1D	C35-2 and the On-Site Support Facility were	—— Road
-	active; equipment moved about in both areas and several small structures were added to the	Trail
X1D	Support Facility. Photography of	2500 0 5000 FEET (APPROXIMATE)
-	reveals a landing T on the airstrip southwest of the Headquarters and Administration Area.	
5X1D	the Headquarters and Administration Area.	FIGURE 2. LAUNCH COMPLEX A.
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			<u>-</u>
25X1D	25X1D 25X1D	25X1D 25X1D NPIC/R-923/64	2:
25X1D	have been added to the central guidance area since	be seen close to the highest point of the loop road. Close to the western inside edge of the	
Thurst	Launch Site 2. This site does not appear	revetment, a circular pad (approximately 60	25X1D
<u>.</u>	generally as active as Site 1 on photography. No equipment can be identified at	feet in diameter) with a small dark object in	25/10
	the launch positions. The object with height ap-	the center has been prepared. The remaining revetment floor had not been prepared as of	
j !	parent on the single hardstand since	Approximately 85 feet east of the	25X1D
	has disappeared. Two additional vehicles have	revetment a tower-like structure and an un-	
)	appeared in the central guidance area since	identified rectangular structure remain in the	25X1E
25X1D	Flectronic Site A. This site appears	same position as observed in	23X IL
	Electronic Site A. This site appears essentially as it did in except that	and a second	
	three small structures or vehicles have been	loop road was constructed just west of position 6. Since a circular pad (approxi-	25X1D
	added.	mately 55 feet in diameter) with a small dark	
	Launch Sites 3 and 4 and Electronic	chicat in the control because it is	5X1D
	Site B (Figure 3)	east segment of this looproad. Anarrow ground	
	Launch Site 3. The two approximately 50-by 20-foot objects remain at positions 3 and 4.	scar connects this pad with position 6.	Man Man
25X1D	In the central guidance area one piece of equip-	Launch Site 4. All launch positions at Site 4 were occupied by small items of equipment on	25X1D
	ment has been removed since	Nine items have been added since	
	The small items of equipment found on positions		5X1D
25X1D	1, 2, and 6 have been moved during this time.	One item has been removed from the central	
	The most significant development has been oc- curring at position 5, where construction ob-	guidance area.	25X1E
	served as early as (but not	Electronic Site B. No significant change is discernible in facilities at Electronic Site B	23/ IL
	present in has now developed into	since Ten additional items of	144
	a rectangular revetment with inside measure-		25X1D
	ments of approximately 185 by 65 feet and outside	activity near the western boundary since	
	measurements of approximately 225 by 90 feet.	During this time no apparent change	-V45
	The revetment was constructed at the terminal point of the position access road over the site of		5X1D
5X1D	the former launch position. The azimuth of the	tion paralleling the access road to Electronic Site B except for the addition of a connection, pos-	1.02°
25X1D	perpendicular bisector of the reconstructed pad	sibly an earthen mound, between the access road	1 2
23710	is approximately 340 degrees. The revetment	and the closer of the two new roads. The revet-	_
	composes three sides of the reconstructed pad	ments, constructed along the southern of the two	1 1940 2 1941 2 1941
	and possibly a short segment of the fourth. A loop road, constructed sometime between	new roads by from west to	
	and serves the position along	east, measure as follows: a U-shaped revetment, 170 by 95 feet; two bowed revetments, each 125	
	the fourth side. Uneven terrain, sloping up to	feet long; and a low revetment approximately	Approximate 1
	the site of the reconstructed pad, has neces-	295 by 255 feet.	
	sitated a gradual buildup of the loop road. Two	West of Launch Site 4 on	Property of the Control of the Contr
	unidentified pieces of equipment or sheds can	and photography a rectangular	
-	- 2		
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25X1D

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25X1D_{25X1D}

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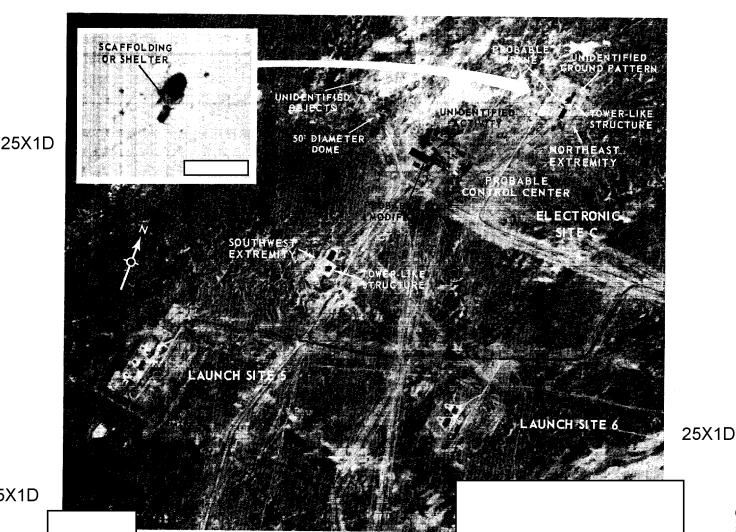
road pattern was under construction with unidentified activity extending from this pattern close to position 1 of Site 4. In the center of the rectangular road pattern what appears to be an earthen wall, approximately 440 feet long, has been constructed. An unidentified narrow structure, 130 feet long, parallels it to the west.

The small unidentified facility (not shown on graphic), situated 2,400 feet southwest of Electronic Site B and first observed on photography of can now be identified as a

probable electronic facility and appears essenwith several small tially as in [additional vehicles at the site.

Launch Sites 5 and 6 and Electronic Site C (Figure 4)

Launch Site 5. Facilities remain unchanged at this site since In contrast with Site 6, this site shows evidence of activity. One vehicle is positioned back of the missilehold building. Four other vehicles/pieces of equipment are observed in the area.



25X1D

FIGURE 4. LAUNCH COMPLEX A -- LAUNCH SITES 5 AND 6 AND ELECTRONIC SITE C.

Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1 TOP SECRET

- 4 -

25X1	Approved For Release 2003/08/04 : 0	IA-RDP78B045604002900010051-1	25X1
		25X1D NDIC/R-923/64	25X1D
		25X1D 25X1D 25X1D 25X1D	25X1D
25X1D	Launch Site 6. No change is apparent in	still were apparent in25X1D	25X1D
20/(12	facilities at the site. No evidence of activity	No change can be seen since	20,(12
	is observed on coverage.	in the 50-foot dome area approximately 800 feet northwest of the probable control center. The	
25X1D	Electronic Site C. No change is observed	two very small unidentified objects observed on	
	in facilities at the southwest extremity since These facilities consist of a	photography in the approximate	
•	probably semiburied building (120 by 70 feet),	site of the TOKEN-type radar (present in	
	a tower-like structure on a concrete apron, and) are barely discernible on photography of	
	several possible vehicles. In contrast, changes	Identification of these objects has	
25X1D	have occurred recently at the northeast ex-	not been possible on small-scale photography.	
	tremity of this site. The tower-like structure	LAUNCH COMPLEX B 25X1D	
	appeared on snow-covered photography of to have been	(45-59-40N 72-31-00E)	
25X1D	covered by an environmental shelter or scaf-	Support Area	
_	folding (approximately 125 feet high). On pho-	No significant change has been observed	
25X1D	tography of this shelter has	since the latest clear coverage of	
20/(10	been removed, revealing that the tower-like	in the Support Area, in the Assembly and Check- out Facility, in the airstrip, or in the four in-	
	structure remains standing. The probable crane	strumentation sites serving Launch Complex B	
25X1D	positioned here since is observed at	(Figure 5).	
_	the southwest corner of the apron. An unidentified loop pattern, observed on snow-covered	(2-88-2-7)	
25X1D	photography of just west of the	THE COLUMN A	
23/10	apron, is barely discernible. A dark ground	FACILITY B	
	pattern, visible since close to the	B-2—-	
25X1D	northeast corner of the apron, still is apparent	BUILDING ASSEMBLY AND	
	and remains unidentified. Several vehicles are	TRIAD ASSEMBLY AND CHECKOUT	
	noted at the site. The only discernible change in the probable	INSTRUMENTATION	
25X1D	control center since occurred at	SITE B-1	
-	and near the modified L-shaped building. The	—— Road — — — Cable line	
25X1D	western extension (300 by 85 feet) to this build-	0 5000 10000	
	ing, which appeared almost complete by	FEET (APPROXIMATE)	
25X1D	except for probable modifications on the roof, is too dark in tone on photog-	SITE B-2	
25X1D	raphy to ascertain details of roof configuration.		
-	The roof of the remainder of the building	SAM SITE B27-2	
25X1D	presents a mottled appearance. Activity of an		
	undetermined nature appeared through heavy	SUPPORT	
_	haze at the north portion of the base of the building in At that time a small light	AREA	
	structure and several possible overhead steam		_
_	pipes or walkways were visible there. These	FIGURE 5. LAUNCH COMPLEX B.	」 25X1
	pripos or		
	_	- 5 -	
'and			25X1
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FIGURE 6. LAUNCH AREA AND BUILDING TRIAD AT LAUNCH COMPLEX B.

- 6 -

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25X1

25X1 25X1

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	25X1D	NPIC/R-923/64	
			25V1D
	Launch Area and Building Triad	environmental shelter. A ringlike structure, in diameter, is also observed on the	25X1D
	(Figure 6)	ground just north of the northern small triad	25X1D
25X1D	Facility A. Facility A remained unchanged since latest clear coverage of	building. Three generally circular excavations	25X1D
20/(12	Facility B. No significant change has been	are visible just southeast of the large triad	
2EV4D	observed since in Pads B-1 and B-2.	building. At the triad site are a number of small structures, some of which are new since	
25X1D	What appears to be a low, narrow earthen wall	The unusual road pattern east of the two	25X1D
	along the south lip of the loop road near the	small triad buildings appears essentially as it	23X ID
25X1D	south-central boundary of Facility B at the point	did in	25X1D
	where the scar from the triad reaches it. A	MAIN HOUSING COMPLEX	
25X1D	second loop road was constructed between (possibly under construction	The Main Housing Complex appears essen-	25X1D
25X1D	in)just west of the first one	tially as in except that the Ware- house Area just south of the Original Housing	25X1D
_	and connected with it by a road 250 feet long.	Area is being dismantled. Fromto	
	The major axis of the area enclosed by the eastern loop road measures 260 feet; that en-	10 of the 18 warehouses (each approxi-	
_	closed by the western loop road 270 feet. The	mately 80 by 30 feet) had been removed. Since	
	western road has been constructed through the	clear photography of no discernible change can be found in the two plus con-	
	inner of the two security fences around Facility	figurations midway between the Probable Range	
	B. A number of vehicles can be seen in the area, including two probable vehicles parked adjacent	Headquarters/Complex Control Area and the	
	to Pad B-2.	HEN HOUSE antenna. The southern pattern	
	Building Triad. The building triad at Launch	has not progressed beyond the initial construc-	
	Complex B remains under construction and is	tion stage.	1D
	now believed to be electronic in nature. The previously reported tall dish- or disc-like object		
25X1D	on the roof of the large rectangular building of	manort 1 / and	
	the triad is now confirmed as a tower-mounted	the primary change of significance	
25X1D	circular dish antenna (approximatelyin	at Site 13 occurred at the dual HEN HOUSE-	
	diameter). A ringlike structure, in diameter, is on the roof, encircling the tower	type structures, with minor construction in the	
- अवर्षी	and probably indicating preparations for an	Support areas (= -8-)	
	environmental shelter. Smaller ringlike struc-	development was accompany	
-	tures (75 and 65 feet in diameter) are positioned	increased similarity in size and configuration	
	on the ground adjacent to the northern and southern small triad buildings, respectively	to the original HEN HOUSE antenna at the	
	A small object is observed on the roof of each	1 22VIC 20bbott paper 1	
25X1D	of the smaller buildings. Adjacent to the un-	tures. Each structure consists of a dual HEN	
23/11/10	identified structure paralleling the large triad building is a light-colored circular object (ap	HOUSE type antenna in various stages of con-	
	proximately in diameter), possibly a	1 11 - antrol control build-	
	•	7	¬
		- 7	25X1

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25X1D

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NPIC/R-923/64

25X1D

25X1D

25X1D

25X1D

The two dual structures appear to be parallel and in line with a separation distance of approximately 250 feet. The azimuths of their perpendicular bisectors are both

> Sometime between construction of a

third such structure (Operations Area C) was started approximately 2,160 feet north-northwest of the most advanced site (Operations Area A). This structure is offset from the other two structures, with the azimuth of the perpendicular bisector of the structure being

degrees There is no evidence to date of a fourth such site.

Partial coverage of the site from

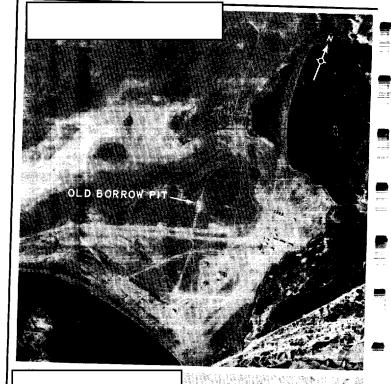
Site 13 was not covered on Mission

25X1D

25X1D

is limited by heavy haze and clouds with both linear structures of Operations Area A and the southern linear structure of Operations Area B visible. Construction continues on the probable central control building (295 by 160 feet) at Area A, which is positioned largely to the east of the linear structures. Approximately two-thirds (595 feet) of the north linear structure at Operations Area A appears to have been covered by a pitched roof at this time; possible framework has been constructed in the remaining onethird (295 feet). The side facing westward is light in tone, possibly indicating the open area of the antenna face (approximately 825 feet long). A terminal building (85 by 55 feet) is under construction at the northeast corner of the linear structure. Possible framework is observed along the entire length of the southern linear structure of Operations Area A. The northern linear structure of Operations Area B is under excavation; the southern linear structure was cloud covered on this mission.

Storage activity is observed extending along a trail approximately 660 feet west of the probable central control building at Operations Area



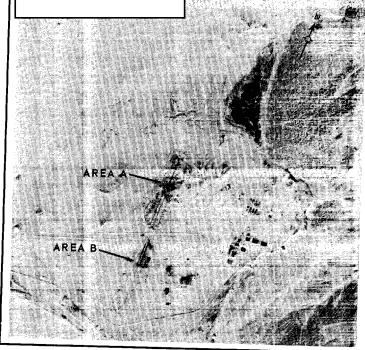
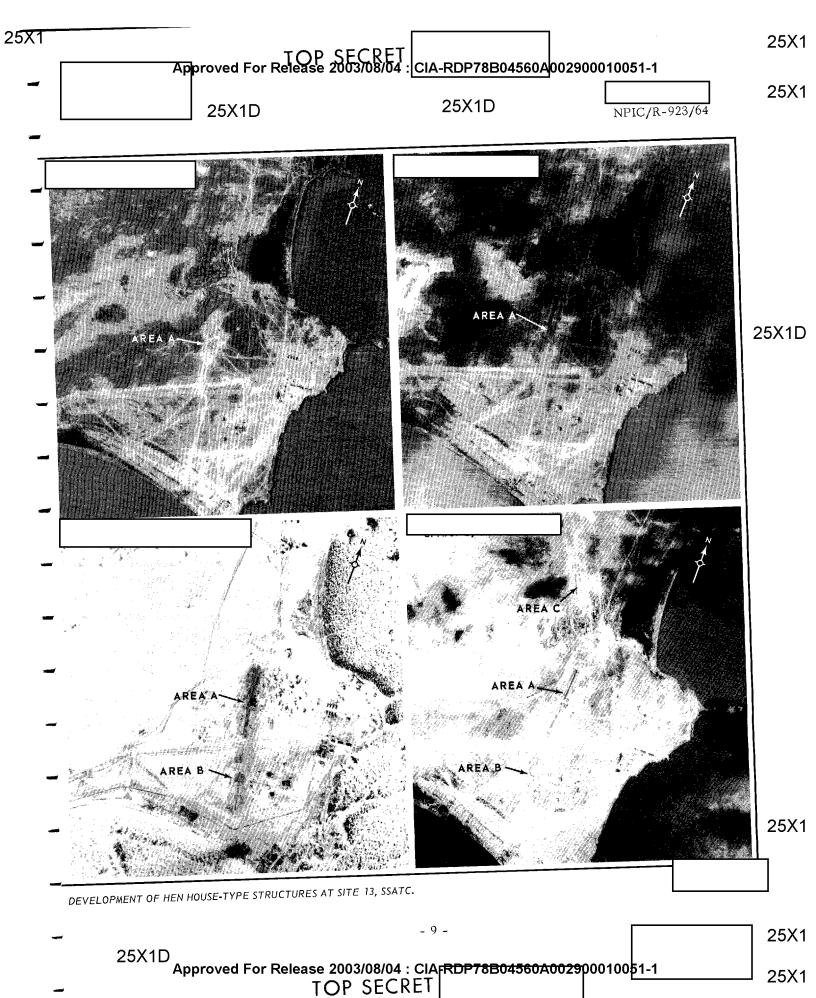


FIGURE 7.

25X1D

Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1 TOP SECRET

- 8 -



Approved For Release 2003/08/64 : CIA-RDP78B04560A002900010051-1

NPIC/R-923/64



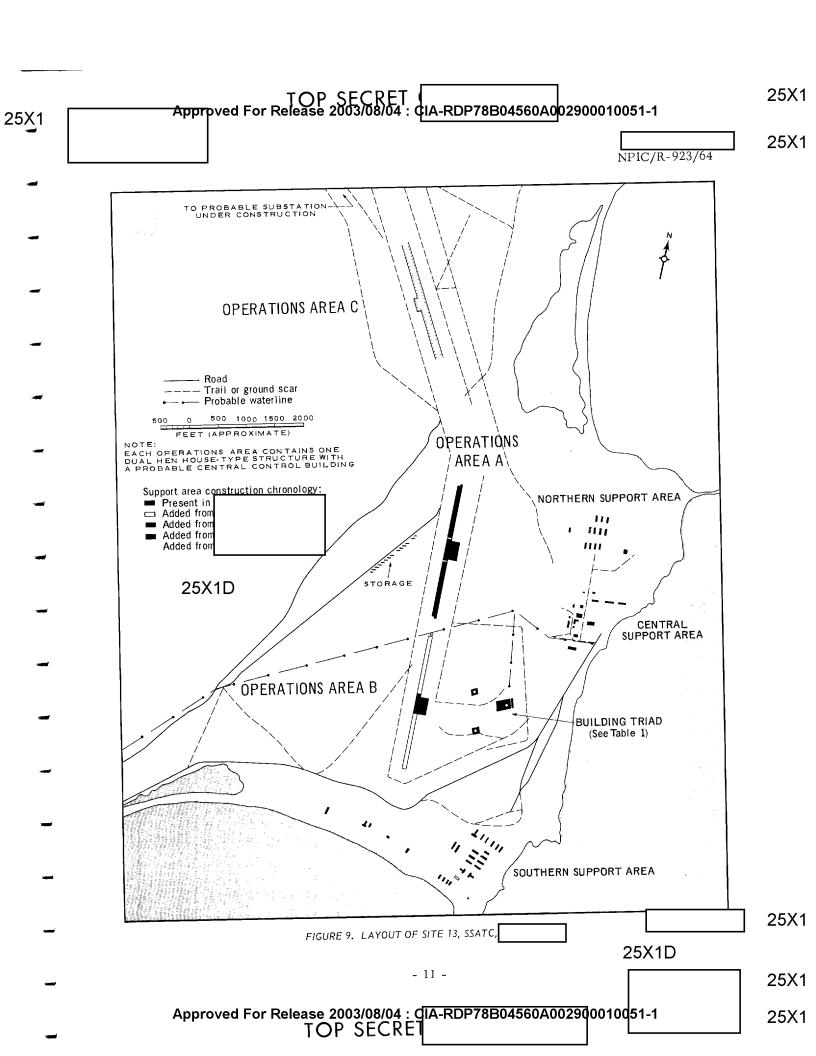
FIGURE 8. SITE 13, SSATC.

- 10 -

Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1 TOP SECRET

25X1

25X1D



25X1D

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25X1D <u>25</u>X1D

NPIC/R-923/64

This storage, which appeared sometime between is dark in tone.

On Mission work continues on the probable central control building at Area A. The exterior of the northern linear pitched-roof structure at Area A is almost complete except for a short segment of the north end. What appears to be the antenna face is oriented toward the west. Roofing is just beginning on the northern portion of the southern linear structure of Area A.

Excavation of both linear excavations of Operations Area B is observed on this mission, with a narrow linear strip at the base of each excavation. Footings or excavations for footings are present in both excavations. A terminal building (85 by 55 feet) is under construction at the northeast end of the northern linear struc-The probable central control building (approximately 280 by 125 feet) is in a relatively advanced construction stage.

Observed under construction for the first time on this mission is the third dual HEN HOUSE-type structure. Clearing, with minor excavation, is taking place at both linear sites at Area C. Preliminary work is noted at the site of the probable central control building (approximately 245 by 215 feet). In contrast with similar buildings at Areas A and B, the bulk of the probable central control building at this area is positioned to the west of the linear structures. This site was cloud covered 25X1D on Missions No indication of such construction was discernible on snowcovered photography of

On Mission the northern linear structure at Operations Area A appears complete externally, with the antenna face oriented westward. Work is apparently in progress on the antenna face, which is half dark and half light in tone. Approximately one-half of the

southern linear structure at Operations Area A appears roofed and the roof would indicate that this antenna face would also face westward. A terminal building (85 by 55 feet) is now noted at the southeast end of the southern linear structure of Area A. Work continues on the probable central control building at both Areas A and B. Construction details of the two linear structures at Area B are not apparent because of heavy haze; however, footings appear to have been erected in both linear excavations. Excavation continues throughout the length of the two linear excavations at Operations Area C, with a possible linear strip noted at the base of each excavation. Storage near Area A has increased since Mission _____to a length of approximately 825 feet.

Information concerning the status of the building triad at Site 13 can be found in Table 1.

With regard to that part of the requirement requesting information on ground scars in the 25X1D vicinity, one or more has been observed on every clear coverage since and including Mission Since that time three fairly prominent ground scars have appeared in the vicinity of the building triad and the southern dual HEN HOUSE-type structure. These scars do not appear to extend directly to the triad buildings. On snow-covered photography of

a scar extended from a point close to the large triad building to a small facility just east of the center of Operations Area B. The site of this scar was cloud covered on Mission but another scar was noted close to the southern small triad building, extending to small facilities to the east and west. On Missions

the first scar had disappeared; the second scar remained; and a third one appeared extending from a point near the probable central control building of Area B close to the large triad building, and continuing

25X1D

25X1

25X1

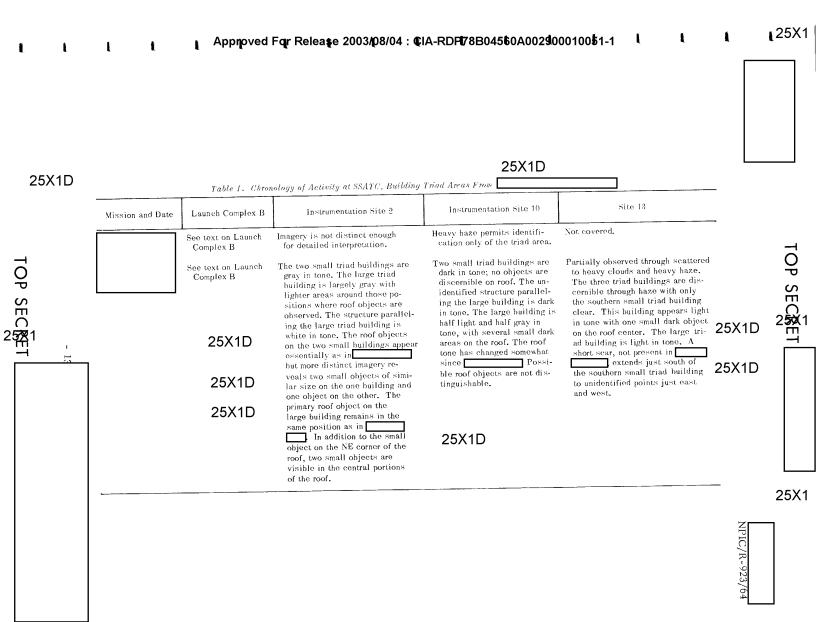
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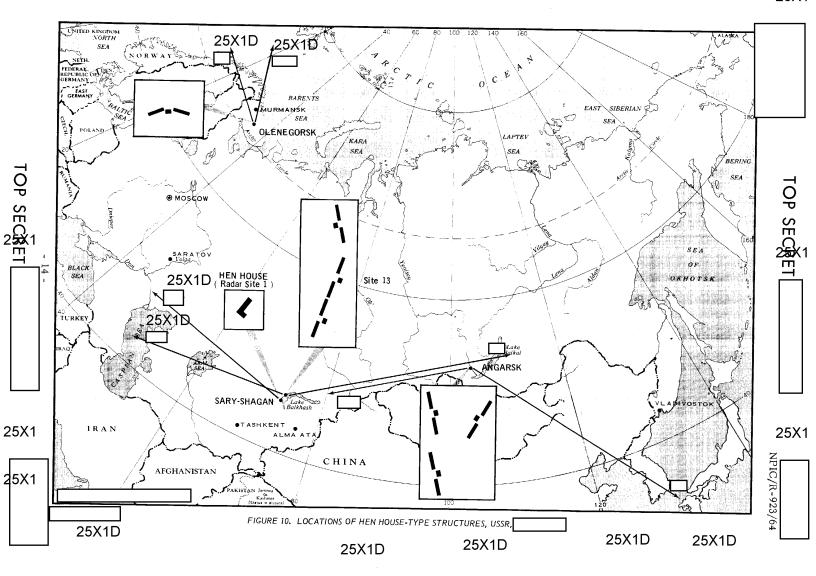
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- 12 -



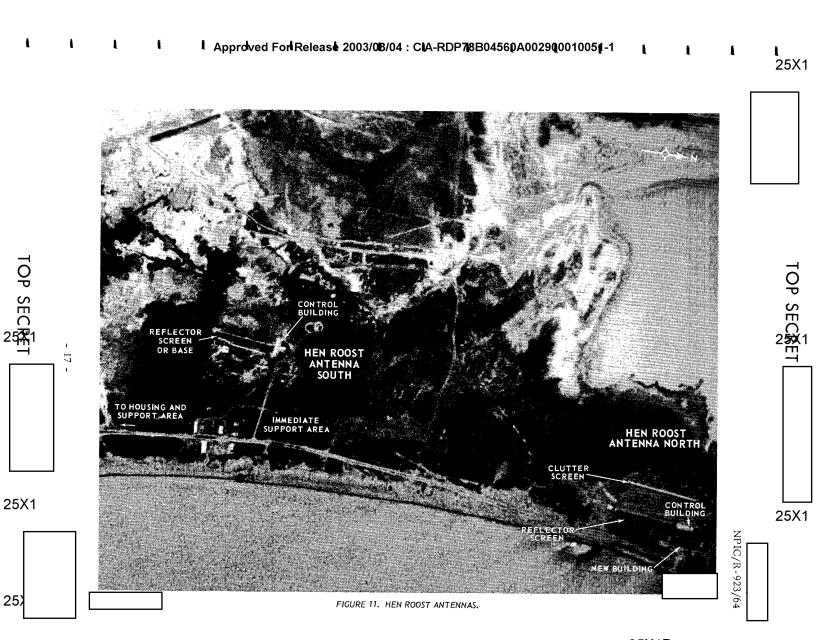


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		and the three triad buildings were visible for	
	east toward the shore. These scars cannot be identified on available photography.	the first time. Only one additional building appeared by Since that time rel-	25X1D
	On Missions, indistinct traces of additional scars or conduits are be-	atively slow, steady construction has taken place, primarily in the northern and southern	25X1D
	ginning to appear in the area. These include a long trace encompassing the triad area and the	support areas and consisting largely of bar-	25X1D
	three dual HEN HOUSE-type structures, extend-	racks-type buildings. From a total of 33 support buildings were con-	^J 25X1D
_	ing a short distance beyond the northern structure. Identification of this long scar is not pos-	structed: 8 from 19 from , and 6 from	25X1D
- marie	sible from photography available; however, its positioning with respect to the operational areas	It is of interest that the three dual	25X1D
25X1D	would suggest a security fence.	HEN HOUSE-type structures were first ob-	23/10
20/(10	Ina probable substation was	served under construction in	
-	observed in initial construction stage approxi- mately 3,700 feet north-northwest of the northern	Λ comparison between the HEN HOUSE-type	
25X1D	dual HEN HOUSE-type structure and a ground	structures at Site 13 and those at Angarsk and	
	trace with probable towers for a powerline ex-	Olenegorsk can be found in Table 2 and on	
25X1D	tended toward the north-northwest. By	Figure 10. A more detailed textual comparison of the three installations can be found in NPIC	
	the existence of these towers was confirmed and a second trace was observed originating	report R-855/64.2/	
0EV4D	from the same point, proceeding north-northwest		
25X1D	and finally north. Towers were being erected	HEN ROOST ANTENNAS	25V4D
_	along this powerline by and ad-	(Figure 11) No significant recent change is discernible	25X1D
25X1D	ditional construction could be found at the site of the probable substation by this time. Two	in the facilities at HEN ROOST Antenna North	
	other ground scars observed in	(45-56-05N 73-38-20E), HEN ROOST Antenna	
	to extend generally southwest and southeast of	South (45-55-20N 73-38-05E), or in the Housing	25X1D
	the probable substation are still apparent on	and Support Area for both antennas. The motor pool has been occupied in varying degrees on	
	photography but towers or poles do not appear to have been erected along the traces.	each recent mission coverage. As the result of	
25X1D	Figure 9 portrays the construction chronol-	better quality KII-4 photography and better	
_	ogy of support facilities at Site 13, which totalled	orbital data it has now been determined that the	
	61 buildings in and which would	two HEN ROOST antennas and the clutter screen at HEN ROOST Antenna North are parallel and	
	service both the building triad area and the dual HEN HOUSE-type structures. These support	that a perpendicular bisector of each of the	
	facilities fall into three areas without any clearly	three structures is approximately degrees	
	drawn line of differentiation with respect to the	(within plus or minus of accuracy).	
	two different types of operational areas.	Height measurements of the two antenna structures are estimated as follows: HEN ROOST	
25X1D	No support buildings existed at the site in By 27 support	Antenna North at approximately 60 feet and HEN	
	buildings had been erected in the three areas	ROOST Antenna South at approximately 15 feet.	
25X1D			
20/(10	_	15 -	☐ 25X1

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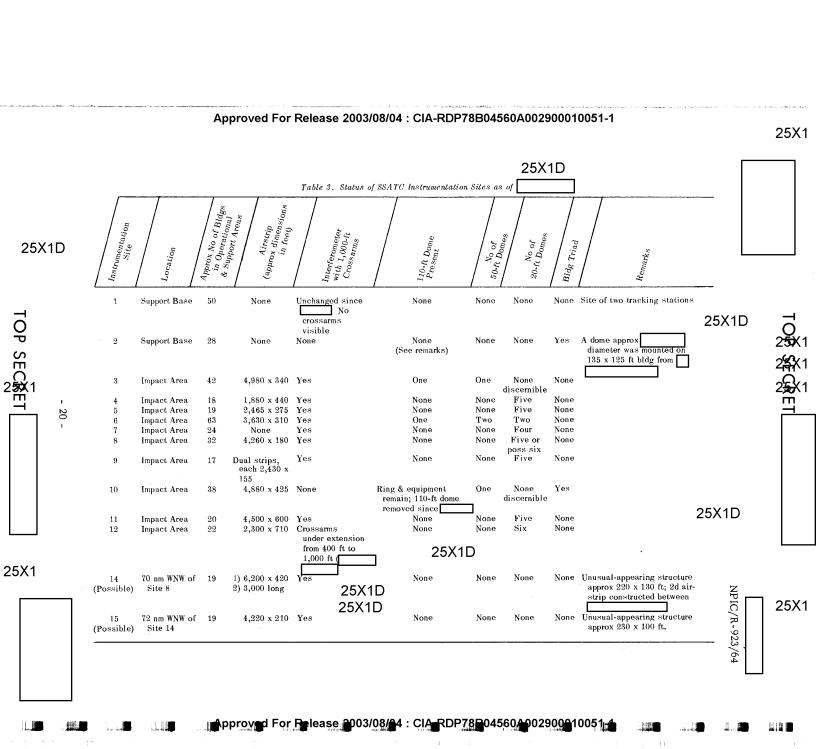
Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1 25X1D



]
	25X1D	NPIC/R-923/64	
		25X1D an unidentified aircraft	
	The building observed in initial construction stage in at HEN ROOST Antenna North	with swept wings was observed parked close to	
	paralleling and just east of the control building	the northeast end of the dirt strip near the	
	measures approximately 155 by 45 feet.	intersection point of the strip and the road to	•
	/ DIRT STRIP	the primary airfield. The aircraft length ap-]
	(45-55-35N 73-27-30E)	SAM TRAINING CENTER	
X1D	The 16,500- by 1,500-foot dirt strip (Figure 12) remains essentially in as it ap-	(45-25-45N 73-24-40E)	25X1D
(1D	peared on the last previous clear coverage of	All launch sites at the SAMTrainingCenter	25X1D
1D	The rectangular area north of the	appeared inactive on coverage in contrast with the relatively extensive activity in	
1D	center of the strip has been active since Several additional small vehicles	evidence there in with snow con-	25X1D
. –	or structures are present, and additional scar-	ditions prevailing. Trails and roads in the vi-	!
D	ring is observed just south of the area. On	cinity of the Center show change since latest	25X1D
		photography of but have not changed since the more permanent roads shown	
	N A	on last clear coverage of Minor	25X1D
	TO AIRFIELD	changes at the support areas east of the launch	20,(12
		sites from include the addition of three small structures and the re-	9.5344.5
	Land Market 1	moval of two small structures. In the primary	25X1D
		support area on coverage offour	
		probable vehicles are observed in the clearing,	
		which was not present on Three possible vehicles are parked adjacent to the	
	77	south motor pool.	
	Albin de Care distant		
X1D	and the second		
	FIGURE 12. DIRT STRIP.		

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25X1 25X1



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25X1

25X1D

25X1D

25X1D

25X1D

NPIC/R-923/64

at Sites 3 and 10. Twenty-foot-diameter domes are present at all instrumentation sites surrounding the impact area except Sites 3 and 10 where none is discernible on KII-4 photography. The building triad is found at Sites 2 and 10 as well as at Site 13 and Launch Complex B. An unusual-appearing rectangular structure averaging 230 feet in length and having three raised sections or extensions along its south side has appeared at Sites 14 and 15 as well as at an unidentified facility between these two sites and at the possible field launch point between Sites 8 and 14. Construction chronology of the structure at the four sites is approximately the same.

INSTRUMENTATION SITE 1

(45-52-50N 73-37-50E)

The interferometer at this site (Figure 14) remains unchanged since and since last clear coverage of Between work began in the southwest corner of the support area on three structures and a U-shaped road system. The western 90- by 60-foot building in the western tracking station appears light in tone and now has a ringlike structure on the roof. $\boldsymbol{\Lambda}$ very small structure adjacent to the west side was not apparent before. The eastern 90- by 60foot building of the tracking station is very dark in tone and the previously observed roof object is not discernible. Two vehicles are parked midway between the two buildings. The ground scar/conduit observed to extend in the snow in in a northerly direction to a possible calibration point remains and has been extended to a point just south of the 90- by 60foot buildings. Both buildings (90 by 80 feet) in the eastern tracking station are light in tone and have probable environmental shelters on the roof centers. A possible crane is adjacent to the western building. Work continues on the

conduit systems serving the eastern tracking A number of probable vehicles are parked close to the shore and in the support area.

25X1D INSTRUMENTATION SITE 2 25X	(1D
(45-47-40N 73-35-00E)	25X1D
Facilities in the support area of Instrumen-	25X1D
tation Site 2 (Figure 15) remain essentially as	25X1D
in The probable cable line under	23/10
construction in from a point near	25X1D
the 135- by 125-foot building toward a newly	
erected tower 8,400 feet to the north-northwest	25X1D
appears to have reached the tower on photography	05)/45
of A dome-shaped environmental	25X1D
shelter (approximately in diameter)	
appeared between	ן 25X1D
on the roof of the 135- by 125-foot building and	•
remained in position on photography of	25X1D
A probable crane is adjacent to the build-	23/10
ing. The narrow structure paralleling the 135-	
by 125-foot building is gray in tone in contrast	25X1D
with the similar structure adjacent to the large	
triad building, which appears white. The three	

INSTRUMENTATION SITE 3

near the 135- by 125-foot building, are no

longer present. Details concerning activity at

can be found in Table 1.

light-toned circular objects, present in

the building triad between

(45-36-40N 72-36-20E)

This site (Figure 16) consists of an operational and support area (A) an interferometer (B), a prepared-earth airstrip measuring 4,980 by 340 feet (C) with a small support area, a tall self-supporting lattice tower (D), a possible radar facility (E), and an unidentified facility (F), 2,300 feet north of the support area. The operational and support area consists of a 110foot dome (a), a 50-foot dome (b), a possible water tower, three major operational buildings,

- 21 -

NPIC/R-923/64

25X1

25X1



25X1D

FIGURE 14. INSTRUMENTATION SITE 1.

25X1D

- 22 -

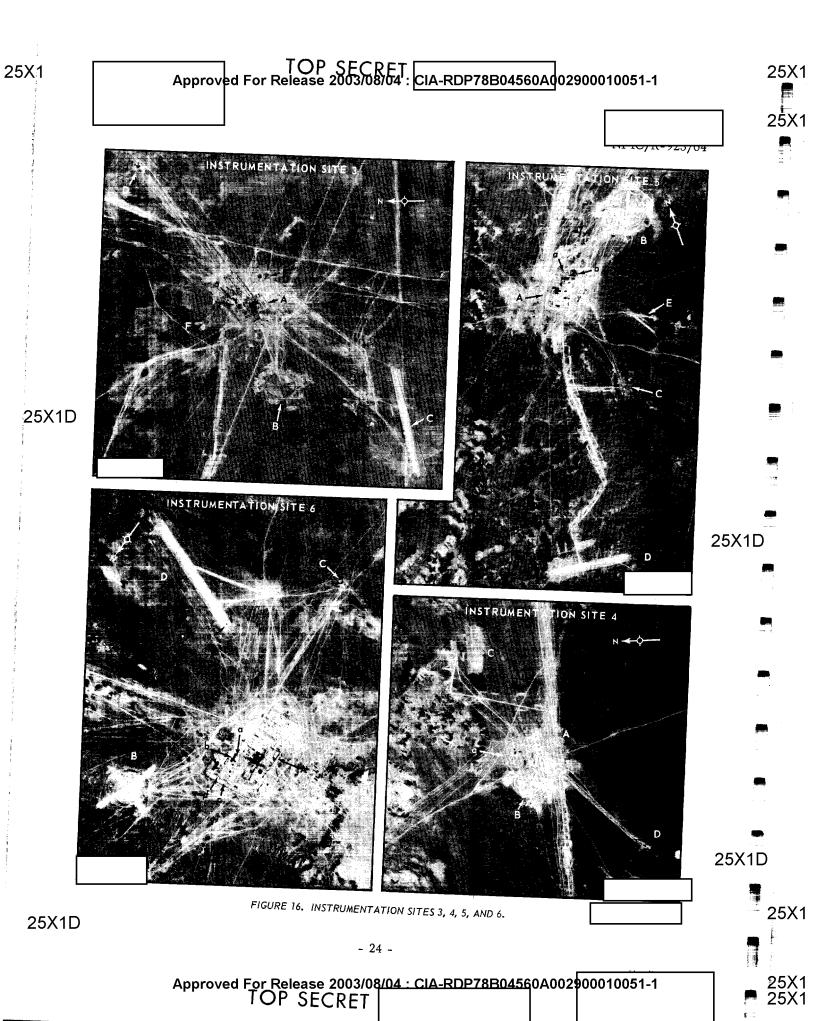
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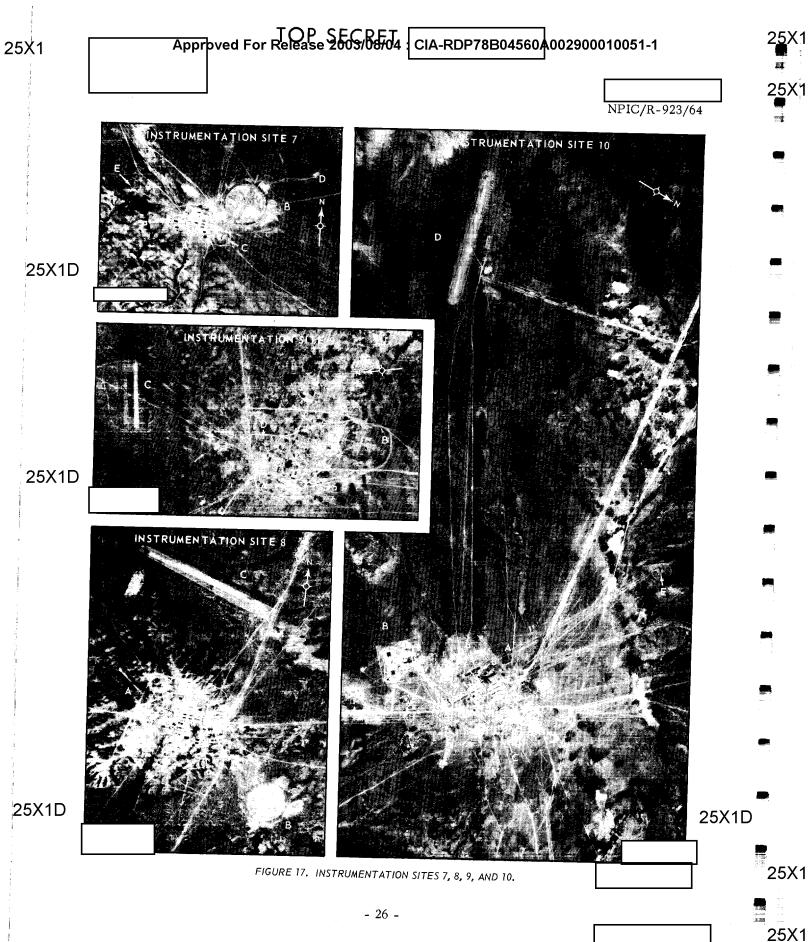
25X1 25X1

25X1 25X1 TOP SECRET Approved For Release 2003/08/04 CIA-RDP78B04560A002900010051-1 25X1 NPIC/R-923/64 EW ENVIRONMENTAL 25X1 FIGURE 15. INSTRUMENTATION SITE 2. 25X1D 25X1 - 23 -

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5X1	Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1	25X1
5×1		25X′
25X1D 25X1D 25X1D 25X1D 25X1D	and 39 support buildings. The interferometer, which has 1,000-foot-long crossarms, was constructed subsequent to	25X1D 25X1D 25X1D 25X1D
_	(D) with a tower and several buildings. No small straight-wing aircraft (e) was parked at significant change has occurred recently at the northeast end of the strip on the site.	25X1D
25X1D 25X1D 25X1D 	Instrumentation Site 5 (45-53-40N 71-20-20E) This site (Figure 16) consists of an operational and support area (A) of 19 buildings, 5 additional buildings with 20-foot-diameter domes (a) and a small area of unidentified construction (b) new since an interferometer (B); a possible microwave station (C) with a tower and three small buildings; a prepared-earth airstrip (D) approximately 2,465 by 275 feet; and an area having two unidentified scars (E). One of these scars has appeared since The 1,000-foot-long crossarms of the interferometer appear complete or almost complete. The facility previously identified as a possible microwave identified as a photography just west of the support area (A) with 24 buildings and 4 additional small buildings each with a 20-foot-diameter dome (a); an interferometer with 1,000-foot long crossarms (B); a probable microwave tower (C); and an unidentified facility (D). No significant change has occurred at the site since Mission hotography of a possible airstrip reported under construction in approximately 2.4 nm east-southeast of the interferometer. The site of the TOKEN-type radar (E) observed on photography just west of the support	
	- 25 - 25X1D 25X1D	20/(
	Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1	25X1



■25X1

	Approved For Release 2003/08/04 : C		25X1
25X1 _	Approved For Release 2003/08/04 : C	<u>NPIC/R-923/64</u>	25X1
25X1D	be confirmed or denied on small-scale KII-4	limited by weather conditions, thus precluding any definite statements on possible recent changes.	
25X1D	photography. There is no evidence on photography of the possible mobile instrumentation site identified on Mission southeast of Site 7 at 46-35N 71-00E.	INSTRUMENTATION SITE 10 $(46\text{-}57\text{-}10\text{N}\ 72\text{-}32\text{-}00\text{E})$ This site (Figure 17) consists of an operational and support area (A), a building triad	25X1D
- Nagari	INSTRUMENTATION SITE 8	(B), an unidentified area (C), a dirt airstrip measuring 4,880 by 425 feet (D), and a tall self-	25X1D
	(46-55-40N 70-49-30E) This site (Figure 17) consists of an opera-	supporting lattice tower (E) northwest	25X1D
	tional and support area (A) having 32 buildings	of the site of the former 110-foot dome. The operational and support area contains two major	25X1D
25X1D	and 5 or possibly 6 buildings with 20-100t diameter domes (a); an interferometer with	operational and support area contains of operational buildings and 36 other buildings, a 50-foot dome (a), and a ringlike structure and	25X1D
	1,000-foot-long crossarms (B); an airstrip (C); and a possible radar site (D). The airstrip ap-	equipment (b) formerly housed by the 110-100t	25X1D
25X1D	pears to have received some additional prepa-	dome. The 110-foot dome itself was removed	
	ration since Mission and now	sometime between Mission . Details	25X1D
25X1D	measures approximately 4,260 by 180 feet,	concerning activity at the building triad between	051/45
_	Three structures with 20-foot-diameter domes were present in they had increased in number to five or possibly	in Table 1. No change is apparent since	25X1D
	six. Five small structures or vehicles are	in the unidentified area east of the opera- tional area, which consists of seven rectangular	
	observed in the two small areas southwest of	parallel buildings and seven additional miscel-	
25X1	the support area and a movem	laneous buildings. No interferometer is situated	
<u> </u>	type radar. No statement can be made concern-	at the site.	
	ing the present existence of such a radar	INSTRUMENTATION SITE 11	
	because of the small scale of the photography.	(46-40-50N 72-37-40E)	
_	INSTRUMENTATION SITE 9 (46-52-40N 71-52-20E)	This site (Figure 18) consists of an operational and support area (A) with 20 buildings and	
	In this site (Figure 17) was composed of an operational and support area	domes (a), an interferometer with 1,000-1001-	
25X1D	(A) with approximately 17 buildings, a possible	long crossarms (B), a probable microwave	
•••	tower, and 5 additional buildings each with a 20-foot diameter dome (a), an interferometer	buildings (C), and a dirt strip measuring 4,500 by 600 feet (D). No significant recent change	
_	with 1,000-foot-long crossarms (B), an airstrip (dual parallel strips each 2,430 by 155 feet) (C) and a possible microwave tower (D). No re-	, is apparent at this site. The airstrip, not pictured on the graphic, is 11,500 feet southwest	•
-	cent change of significance is apparent. In terpretation on this site, however, is generally	of the support area.	25X1
		- 27 -	
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_	TOP SECRE	:1	

Approved For Release 2003/08/04 CIA-RDP78B04560A002900010051-1 25X1 25X1 NPIC/R-923/64 INSTRUMENTATION SITE 11 INSTRUMENTATION SITE 12 TO AIRSTRIP (D) 25X1D 25X1D POSSIBLE INSTRUMENTATION SITE POSSIBLE INSTRUMENTATION SITE 15 25X1D 25X1D FIGURE 18. INSTRUMENTATION SITES 11, 12, AND POSSIBLE INSTRUMENTATION SITES 14 AND - 28 -25X1

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X1	Approved For Release 2003/08/04 :	:IA-RDP78B04560AD029	900010051-1	
	25X1D	25X1D 25X1D	NPIC/R-923/04	25) 25X1E
25X1D	INSTRUMENTATION SITE 12 (42-24-20N 72-34-00E)	in All fa	cilities appeared com- overage except for the	
	This site (Figure 18) inconsisted of an operational and support area (A) of 22 buildings including 6 with 20-foot domed structures (a), an interferometer (B), a dirt airstrip	secondary airstrip who strip appears to be reconstrained. Detailed describile on the unusual stru	eiving additional prep- iption is still not pos-	
25X1D	measuring 2,300 by 710 feet (C), and a possible microwave station (D) approximately 1,800 west	POSSIBLE INSTRUME	37-25E)	
25X1D	of the support area. On photography of the interferometer ap-	This site (Figure 1 of Dzhezkazgan and 72	8) situated 31 nm south nm west-northwest of	
- -	peared to have crossarms only 400 feet long; by the crossarms were under ex- tension to 1,000 feet.	Site 14, on latest cover consisted of an operat	ional and support area B buildings, miscellane-	
-	POSSIBLE INSTRUMENTATION SITE 14 (47-07-05N 69-10-00E)	ous small structures, as	nd an unusual-appearing	
_	This site (Figure 18) located 83 nm southeast of Dzhezkazgan and 70 nm west-northwest of Instrumentation Site 8, consists of an operational and support area (A) of 18 buildings and	crossarms (B), and a (4,220 by 210 feet and owest) (C). The unus	prepared-earth airstrip riented northeast/south- lal structure, generally	
-	an unusual-appearing rectangular structure (a) approximately 220 by 130 feet with three raised sections or extensions along the south side of	similar to the one at a gable roof with three sections attached to o	Site 14, appears to have ee extensions or raised or adjacent to the south	
- Taggi	the building; an interferometer with 1,000-root-long crossarms (B); two graded-earth airstrips (one /C/ 6,200 by 420 feet and oriented east-	peared complete or ne	The interferometer apearly complete. No signarly discerned in site	
_	northeast/west-southwest; the second /D/ approximately 3,000 feet in length and oriented northwest/southeast observed for the first time	facilities between late and late (snow-co	est clear photography of atest photography of vered).	
_		•	25X1E)
-		25X1D 25X1D		
_				
_				
				25

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Approved For Release 2003/08/04 : CIA-RDP78B04560A002900010051-1 25X1D

MAPS OR CHARTS ACIC. USAF Operational Navigation Chart, Shoet ONC-F-6, 1st classified onition, 30 Aug 61, scele 1:1,000,000 (CONTIDENTIAL) DOCUMENTS 1. NPIC. R-398/64, Sery-Skogan Antimization Test Center, USSII, Changes and Additions as of May 61 (TOP SECRET) 2. NPIC. R-356/64, Data HEN HOUSE-Type Activities Near Olenegarsk and Angarsk, USSI, and Comparison Wish Site 13, 8847C, Out 64 (TOP SECRET) RELATED DOCUMENTS NPIC. R-102/64, Antimization Test Center, Sury-Shagan, USSI, Changes and Additions as of May 64 (TOP SECRET) NPIC. R-102/64, Antimization Test Center, Sury-Shagan, USSI, Changes and Additions as of COMPARISON (TOP SECRET) NPIC. R-102/64, Antimization Test Center, Sury-Shagan, USSI, Apr 61 (SECRET) NPIC. R-102/64, Antimization Test Center, Sury Shagan, USSI, Apr 61 (SECRET) REQUIREMENTS CIA. PUC/JH-1011/61, Antimization Compiles, Sury Shagan, USSI, Apr 61 (SECRET) REQUIREMENTS CIA. C-814-81,506 CIA. C-814-81,506 CIA. C-814-81,506 CIA. C-814-81,506 CIA. C-814-81,506 CIA. C-814-81,506 CIA. PUC/JH-1011/61, Antimization Test Center, Sury Shagan, USSI, Apr 61 (SECRET) REQUIREMENTS CIA. C-814-81,506 CIA. C-814-81,506		TOP SECR Approved For Release 2003/08	RET 8/04 : <u>CIA-RDP78B04560A0</u> 02900	010051-1	
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ACIC. USAF Operational Navigation Chart, Sheet ONC-F-6, 1st classified edition, 30 Aug 61, scale 1:1,000,000 (CONFIDENTIAL) DOCUMENTS 1. NPIC. R-928/64, Sary-Shagan Antimissile Test Center, USSR, Changes and Additions as of May 64 (TOP SECRET) 2. NPIC. R-555/64, Dual HEN HOUSE-Type Activities Near Olenegorsk and Angarsk, USSR, and Comparison With Site 13, SSATC, Oct 64 (TOP SECRET) RELATED DOCUMENTS NPIC. R-162/64, Antimissile Test Center, Sary-Shagan, USSR, Changes and Additions as of Mar 64 (TOP SECRET) NPIC. R-294/63, HEN BOOST Antennas, Antimissile Test Center, Sary Shagan, USSR, Nov 63 25X1D CIA. PIC/JR-1010/61, Antimissile Complex, Sary Shagan, USSR, Apr 61 (SECRET) REQUIREMENTS CIA. C-SI4-81,506 CIA. C-RR4-81,536 CIA. Suppl 1 to C-RR4-81,536 NPIC PROJECT	:	2 5X1D			
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